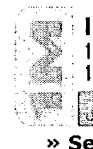


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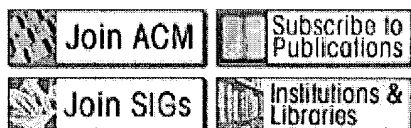
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Douglas C. Schmidt

October 1995 **Communications of the ACM**, Volume 38 Issue 10Full text available: [pdf\(261.30 KB\)](#)
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Despite dramatic increases in network and host performance, it remains difficult to design, implement, and reuse communication software for complex distributed systems. Examples of these systems include global personal communication systems, network management platforms, enterprise medical imaging systems, and real-time market data monitoring and analysis systems. In addition, it is often hard to directly reuse existing algorithms, detailed designs, interfaces, or implementations in these s ...

2 [HydroJ: object-oriented pattern matching for evolvable distributed systems](#)

Keunwoo Lee, Anthony LaMarca, Craig Chambers

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Keywords: HydroJ, XML, distributed systems, dynamic dispatch, object-oriented programming, pattern matching, semi-structured data, software evolution, ubiquitous computing

3 [On type systems for object-oriented database programming languages](#)

Yuri Leontiev, M. Tamer Özsu, Duane Szafron

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